

Application No.: 10/717,412

Docket No.: MWS-033

AMENDMENTS TO THE CLAIMSRECEIVED
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1. (Currently Amended) ~~In a block diagram environment, a~~ computer-readable
medium holding ~~electronic device computer-executable steps for a method, said method~~
~~comprising the steps of~~ instructions, the medium comprising:

designating at least one source block; instructions for determining an intersection of
characteristics common to a plurality of source blocks in a block diagram;

instructions for selecting at least one characteristic in of said source block intersection
of characteristics;

instructions for receiving a designation of ~~designating at least one destination block in~~
asaid block diagram; and

instructions for propagating said selected at least one characteristic to said destination
block.

2. (Canceled)

3. (Currently Amended) The medium of claim 1, ~~the method further comprising; after~~
~~said step of selecting at least one characteristic, the step of~~

instructions for creating a data structure for the selected at least one characteristic in
~~said step of selecting, said data structure having a plurality of substructures.~~

4. (Currently Amended) The medium of claim 1, wherein said ~~step of selecting at least~~
one characteristic involves the use of a category list, said at least one characteristic ~~of said~~

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~~source block comprising a plurality of characteristics, each of said characteristics associated~~
with at least one category of said category list.

5. (Canceled)

6. (Original) The medium of claim 1, wherein said destination block is a subsystem representing a plurality of blocks and said at least one characteristic is propagated to each of said plurality of blocks.

7. (Currently Amended) The medium of claim 1, wherein said destination block is a subsystem block representing a plurality of lower-level blocks and said ~~step of propagating~~ is restricted to propagating to said ~~destination block that is a subsystem block~~ and without propagating ~~does not occur~~ to said plurality of lower-level blocks.

8. (Currently Amended) The medium of claim 1, ~~the method~~ further comprising:
~~the step of instructions for undoing said propagating step by~~ returning the characteristics of said destination block to a condition existing prior to said propagating ~~step~~.

9. (Currently Amended) The medium of claim 1, wherein said ~~step of propagating~~ said at least one characteristic ~~of said source block~~ involves propagating less than all characteristics in said intersection of characteristics of said source block.

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10. (Currently Amended) The medium of claim 91, wherein said ~~step of propagating~~ involves propagating less than all characteristics in said intersection of characteristics of said source block, as specified by a user.

11. (Currently Amended) The medium of claim 1, wherein said ~~step of selecting~~ involves selecting said characteristics to be propagated from a Graphical User Interface (GUI).

12. (Currently Amended) The medium of claim 1, wherein said ~~step of selecting~~ involves selecting said at least one characteristic~~[[s]]~~ to be propagated by the use of a shortcut.

13. (Currently Amended) The medium of claim 1, wherein said ~~step of propagating~~ involves propagating less than all characteristics in said intersection of characteristics of said source block, as automatically determined based on characteristics of said plurality of source blocks and characteristics of said destination block.

14. (Currently Amended) The medium of claim 1, ~~the method further comprising: the step of~~
instructions for storing information relating to propagating ~~step to enable repeating said selecting step and said propagating step.~~

15. (Currently Amended) The medium of claim 14, wherein said storing ~~step comprises~~ storing information relating to multiple iterations of said propagating ~~step.~~

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16. (Currently Amended) The medium of claim 1, ~~the method further further~~ comprising: ~~after said selecting step and before said designating at least one destination block step, the step of~~ instructions for determining which blocks of said block diagram environment have characteristics corresponding to the selected at least one characteristic in said step of selecting.

17. (Currently Amended) The medium of claim 1, ~~the method further comprising: after said step of designating at least one destination block and before said step of designating at least one source block, the step of~~ instructions for determining which blocks of said block diagram environment have characteristics that could be propagated to said destination block.

18. (Original) The medium of claim 1, wherein said at least one characteristic is a parameter.

19. (Currently Amended) The medium of claim 1, wherein said at least one characteristic is ~~a method~~ one of a component, block diagram attribute or property of a source block.

20. (Currently Amended) The medium of claim 1, wherein ~~said selecting at least one characteristic step is performed before said designating at least one source block step and said designating at least one destination block step.~~

21. (Currently Amended) The medium of claim 1, wherein ~~said at least one plurality of source blocks are~~ is a predetermined members of a plurality of said destination blocks.

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22. (Currently Amended) The medium of claim 1, wherein said ~~steps of designating at least one source block and designating designation of~~ at least one destination block ~~are is~~ performed from a text-based list.

23. (Currently Amended) The medium of claim 1, wherein said destination block does not have said characteristic prior to said propagating ~~step~~.

24. (Currently Amended) ~~In a block diagram environment, a~~ system medium holding electronic device executable comprising steps for a method, said method comprising the steps of:

a memory configured to hold a block diagram having a plurality of blocks; and
a processor configured to:
designating a plurality of source blocks;
determining ~~determine~~ an intersection of characteristics common to said a
plurality of source blocks, and wherein said step of selecting at least one characteristic
involves a selection from said intersection
selecting at least one characteristic from said intersection;
receive a designation ~~designating of~~ a destination block in said plurality of
blocks; and
propagating ~~propagate~~ said selected at least one characteristic to said
destination block.

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25. (Currently Amended) ~~In a block diagram environment, a~~ computer-readable medium holding electronic device computer-executable steps for a method, said method comprising the steps of instructions, the medium comprising:

instructions for receiving a designation of designating a source block in a block diagram;

instructions for receiving a designation of designating a plurality of destination blocks in a block diagram;

instructions for determining an intersection of characteristics common to said source block and said plurality of destination blocks wherein said step of selecting at least one characteristic involves a selection from said intersection;

instructions for selecting at least one characteristic from said intersection of characteristics;

instructions for propagating said selected at least one characteristic to each of said plurality of destination blocks.

26. (Currently Amended) ~~In an electronic device having a block diagram environment, a~~ An apparatus method comprising the steps of:

means for determining an intersection of characteristics common to a plurality of source blocks in a block diagram;

designating at least one source block;

means for selecting at least one characteristic of in said source block intersection of characteristics;

means for receiving a designation designating of at least one destination block in said block diagram; and

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means for propagating said selected at least one characteristic to said destination
block.

27. (Currently Amended) The ~~device apparatus~~ of claim 26, wherein said at least one characteristic is a parameter.

28. (Currently Amended) The ~~device apparatus~~ of claim 26, wherein said at least one characteristic is one of a component, block diagram attribute or property of a source block
~~method~~.

29. (Currently Amended) The ~~device apparatus~~ of claim 26, wherein said ~~step of~~ selecting involves selecting said characteristics to be propagated from a Graphical User Interface (GUI).

30. – 33. (Canceled)

34. (Currently Amended) ~~In a software diagram environment, a~~ computer-readable
medium holding ~~electronic device computer-executable steps for a method, said method~~
~~comprising the steps of instructions, the medium comprising:~~

instructions for determining an intersection of characteristics common to a plurality
of source graphical objects in a Unified Modeling Language (UML) diagram;

designating at least one source graphical object;

instructions for selecting at least one characteristic of in said intersection of
characteristics said source graphical object;

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instructions for receiving a designation of designating at least one destination graphical object in said UML diagram; and

instructions for propagating said selected at least one characteristic to said destination graphical object.

35. (Canceled)

36. (Currently Amended) ~~In a circuit diagram environment, a~~ A computer-readable medium holding ~~electronic device~~ computer-executable instructions, the medium comprising: steps for a method, said method comprising the steps of:

instructions for determining an intersection of characteristics common to a plurality of source components in a circuit diagram;

designating at least one source component;

instructions for selecting at least one characteristic of in said source component intersection of characteristics;

instructions for receiving a designation of designating at least one destination component in said circuit diagram; and

instructions for propagating said selected at least one characteristic to said destination component.

37. (Currently Amended) ~~In a mechanical diagram environment, a~~ A computer-readable medium holding ~~electronic device~~ computer-executable steps for a method instructions, said method medium comprising the steps of:

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instructions for determining an intersection of characteristics common to a plurality of source components in a mechanical diagram;
~~designating at least one source component;~~
instructions for selecting at least one characteristic in said intersection of characteristics of said source component;
instructions for receiving a designation of ~~designating at least one destination~~
component in said mechanical diagram; and
instructions for propagating said selected at least one characteristic to said destination
component.

38. (Currently Amended) ~~In a biological diagram environment, a~~ computer-readable
medium holding electronic device computer-executable instructions, the medium
comprising steps for a method, said method comprising the steps of:
instructions for determining an intersection of characteristics common to a plurality
of source ~~designating at least one source graphical elements in a biological diagram;~~
instructions for selecting at least one characteristic of said source graphical
elements in said intersection of characteristics;
instructions for receiving a designation of ~~designating at least one destination~~
graphical element[[s]] in said biological diagram; and
instructions for propagating said characteristic to said selected at least one destination
graphical element[[s]].

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39. (Currently Amended) ~~In a network diagram environment, a~~ computer-readable medium holding ~~electronic device~~ computer-executable instructions, the medium comprising steps for a method, said method comprising the steps of:

instructions for determining an intersection of characteristics common to a plurality of designating at least one source graphical elements in a network diagram;

instructions for selecting at least one characteristic of said source graphical elements in said intersection of characteristics;

instructions for receiving a designation of designating at least one destination graphical element[[s]] in said network diagram; and

instructions for propagating said selected at least one characteristic to said at least one destination graphical element[[s]].

40. (Currently Amended) ~~In a block diagram environment, a~~ computer-readable medium holding ~~electronic device~~ computer-executable steps for a method, said method comprising the steps of instructions, the medium comprising:

instructions for determining an intersection of characteristics common to a plurality of designating at least one source lines associated with a first block and a second block of a block diagram said block diagram environment;

instructions for selecting at least one characteristic of said source line intersection of characteristics;

instructions for receiving a designation of designating at least one destination line associated with a third block and a fourth block of said block diagram said block diagram environment; and

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instructions for propagating said selected at least one characteristic to said destination
line.

41. (Original) The medium of claim 40, wherein said second block and said third block are the same block.

42. (Currently Amended) ~~In a block diagram environment, a~~ computer-implemented medium method holding electronic device computer-executable steps for a method, said method comprising the steps of ~~instructions, the medium comprising:~~
instructions for determining an intersection of characteristics common to a plurality of designating at least one source blocks in a block diagram;
instructions for selecting at least one first characteristic of said source block in said intersection of characteristics;
instructions for receiving a designation of designating at least one destination block a plurality of destination blocks in said block diagram; and
instructions for propagating said selected at least one first characteristic to at the least one destination block of said plurality of destination blocks.

43. (Currently Amended) ~~The medium method of claim 42 further comprising, wherein~~
~~said~~
propagating step determines determining said at least one destination block in which to propagate said first characteristic is the a same block type as said at least one source block in said plurality of source blocks.

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44. (Currently Amended) The ~~medium-method~~ of claim 42, wherein ~~said propagating step determines~~ said at least one destination block is designated in which to propagate said first characteristic based on a second characteristic ~~of said at least one source block in said intersection of characteristics~~, said second characteristic matching a second characteristic of said at least one destination block ~~in which to propagate said first characteristic~~.

45. (Currently Amended) The ~~medium-method~~ of claim 44, wherein said second characteristic ~~designates~~ indicates said at least destination block as ~~is~~ representative of a virtual subsystem.

46. (Original) The ~~medium-method~~ of claim 42, wherein said at least one destination block is a subsystem representing a plurality of blocks and said at least one characteristic is propagated to each of said plurality of blocks in said subsystem.

47. (Currently Amended) In a ~~block diagram environment~~, ~~a~~ A medium holding ~~electronic device-computer-executable steps for a method~~, ~~said method comprising the steps of~~ instructions, the medium comprising:

instructions for determining an intersection of characteristics common to a designating a first source block and a second source block in a block diagram;

designating a second source block;

instructions for selecting at least one characteristic of in said first source block and said second source block intersection of characteristics, said first source block having said characteristic of a first value, said second source block having said characteristic of a second value;

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instructions for receiving a designation of ~~designating~~ a first destination block and a second destination block in said block diagram; and

instructions for propagating said selected at least one characteristic to said first destination block and said second destination block, said first value propagated to said first destination block and said second value propagated to said second destination block.

48. (Currently Amended) The medium of claim 47, wherein said propagating-step determines said first destination block and said second destination block by the use of respective contexts relative to said first source block and said second source block.